

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A microporous polyethylene film having a film rupture temperature of 150 °C or higher and a fusing rupture temperature of 140 °C or lower comprising a blend that comprises:

- a high density polyethylene copolymer which has a melt index (MI) of 0.1 to 100, and a content of an α-olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole; - a high density polyethylene which has a viscosity average molecular weight (M_v) of at least 500000 to 5000000; and

wherein said high density polyethylene comprises a blend of at least two polyethylenes selected from:

(A) a polyethylene having an M_v ranging from about 1500000 to about 5000000;

(B) a polyethylene having an M_v ranging from about 600000 to about 1500000; and

(C) a polyethylene having an M_v from about 250000 to about 600000, and

wherein the microporous polyethylene film blend has an M_v of 300000 to 4000000, and a content of an α-olefin unit with 3 or more carbon atoms of 0.01 to 1% by mole, and

contains about 10% to about 90% of high density polyethylene copolymer, the percentage of the high density polyethylene copolymer is about 10 to about 90% of the blend.

2-3. (Canceled)

4. (Previously presented) The microporous polyethylene film according to claim 1, wherein the α -olefin is propylene.

5-7. (Canceled)

8. (Previously presented) The microporous polyethylene film according to claim 1, having a shrinkage force at 150°C of 2N or less.

9. (Canceled)

10. (Previously presented) The microporous polyethylene film according to claim 1, having a thickness 5 to 24 μ m.

11. (Previously presented) The microporous polyethylene film according to claim 1, having a porosity of 30 to 70%.

12. (Previously presented) The microporous polyethylene film according to claim 1, having an air permeability of 100 seconds or more and 600 seconds or less.

13. (Original) A battery separator, comprising a microporous film according to any one of claims 1 to 12.

14. (Previously presented) A microporous polyethylene film according to claim 1, which has a weight fraction measured by GPC of a component having a molecular weight of 1000000 or more of 1 to 40%, and a weight fraction measured by GPC of a component having a molecular weight of 10000 or less of 1 to 40%, the component having a molecular weight of 10000 or less has a content of an α -olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole.

15. (Previously presented) The microporous polyethylene film according to claim 14, wherein the α -olefin is propylene.

16. (Canceled)

17. (Previously presented) The microporous polyethylene film according to claim 14, wherein the polyethylene having an M_v of 500000 to 5000000 is an ultrahigh molecular weight polyethylene having an M_v of 1500000 or more.

18. (Previously presented) The microporous polyethylene film according to claim 14, having a film rupture temperature of 150°C or higher.

19. (Previously presented) The microporous polyethylene film according to claim 14, having a shrinkage force at 150°C of 2N or less.

20. (Previously presented) The microporous polyethylene film according to claim 14, having a fusing temperature of 140°C or lower.

21. (Previously presented) The microporous polyethylene film according to claim 14, having a thickness 5 to 24 μ m.

22. (Previously presented) The microporous polyethylene film according to claim 14, having a porosity of 30 to 70%.

23. (Previously presented) The microporous polyethylene film according to claim 14, having an air permeability of 100 seconds or more and 600 seconds or less.

24. (Previously presented) A battery separator, comprising a microporous film according to any one of claims 14 to 23.